

---

**From:** Scheibe, Mark  
**To:** James.Ryan@dot.gov  
**Sent:** 4/14/2009 3:16:35 PM  
**Subject:** RE: Annualization Factor - Revised

Jim,

I found the 1987 section 15 report which showed an annualization factor for unlinked passenger trips of 303, so the 308 from the on-board survey reasonably matched that.

Mark

---

**From:** James.Ryan@dot.gov [mailto:James.Ryan@dot.gov]  
**Sent:** Monday, April 06, 2009 6:22 AM  
**To:** Scheibe, Mark  
**Subject:** RE: Annualization Factor - Revised

Mark:

Looks OK to me and, when I had the thought that I needed to run this by our team leader for Honolulu, I realized that's me. So you are good to go.

As an aside, do you have any idea whether the weekday-weekend relationship has changed since 1991? Were there NTD-like information or other counts taken back then that would indicate that the on-board bus survey simply misrepresented the relationship?

Aloha.  
Jim

---

**From:** Scheibe, Mark [mailto:Scheibe@pbworld.com]  
**Sent:** Friday, April 03, 2009 9:34 PM  
**To:** Ryan, James <FTA>  
**Cc:** thamayasu@honolulu.gov; Davidson, William A.  
**Subject:** Annualization Factor - Revised

Jim,

During alternatives analysis we used an annualization factor of 308, based on the results of the 1991 on-board bus survey which included data from surveys conducted on Saturday and Sunday as well as during the week.

A review of recent NTD data indicates that this factor understates the relationship between average weekday and annual ridership and the service provided on an average weekday compared to total annual service.

As shown in the attached spreadsheet, NTD data (Form S-10) for the last three Report Years is as follows:

Report Year 2005

Vehicle Revenue Miles Annualization Factor: 330.65  
Vehicle Revenue Hours Annualization Factor: 328.07  
Unlinked Passenger Trips Annualization Factor: 325.70

Report Year 2006

Vehicle Revenue Miles Annualization Factor: 330.65  
Vehicle Revenue Hours Annualization Factor: 326.82  
Unlinked Passenger Trips Annualization Factor: 327.61

Report Year 2007

Vehicle Revenue Miles Annualization Factor: 330.39  
Vehicle Revenue Hours Annualization Factor: 327.59  
Unlinked Passenger Trips Annualization Factor: 324.25

Based on these three years of data, we request FTA's concurrence in our use of the following annualization factors:

Vehicle Revenue Miles: 330.56  
Vehicle Revenue Hours: 327.49  
Passenger Trips: 325.85

**Mark**

Mark H. Scheibe  
Vice President

Parsons Brinckerhoff

Ali'i Place, 17th Floor  
1099 Alakea Street  
Honolulu, HI 96813  
Phone: 808-768-6156  
Mobile: 808-221-1547  
[scheibe@pbworld.com](mailto:scheibe@pbworld.com)

[www.pbworld.com](http://www.pbworld.com)

*ü Please consider the environment before printing.*

---

NOTICE: This communication and any attachments ("this message") may contain confidential information for the sole use of the intended recipient(s). Any unauthorized use, disclosure, viewing, copying, alteration, dissemination or distribution of, or reliance on this message is strictly prohibited. If you have received this message in error, or you are not an authorized recipient, please notify the sender immediately by replying to this message, delete this message and all copies from your e-mail system and destroy any printed copies.